

B<sup>1</sup> FIG. 1 is an external perspective view of an ink cartridge with a partition plate according to an embodiment of the invention when the ink cartridge is viewed from the top;

Please replace the paragraph beginning at page 10, line 21, with the following rewritten paragraph:

B<sup>2</sup> FIG. 18 is an external perspective view of a split-type ink cartridge of another embodiment of the invention when the ink cartridge is viewed from the top;

Please replace the paragraph beginning at page 10, line 25, with the following rewritten paragraph:

B<sup>3</sup> FIG. 20 is a longitudinal sectional view of the ink cartridge in FIG. 18;

B<sup>1</sup> Please replace the paragraph beginning at page 11, line 8, with the following rewritten paragraph:

B<sup>4</sup> FIG. 25 is a longitudinal sectional view of the first ink cartridge shown in FIG. 18;

Please replace the paragraph beginning at page 11, line 15, with the following rewritten paragraph:

B<sup>5</sup> FIG. 29 is a schematic configuration drawing to show ink supply and collection channels of an ink jet printer using the ink cartridge in FIG. 18 as an ink supply source.

Please replace the paragraph beginning at page 13, line 10, with the following rewritten paragraph:

B<sup>6</sup> Next, the cartridge case 2 will be described. The cartridge case 2 includes a case main body 12 open on its top (i.e., having opening 13) and a case lid 14 detachably

B<sup>6</sup> cont. covering the upper opening 13. The front 15 of the cartridge case 2 is formed with ink supply needle insertion holes 16 and 17, and a waste-ink collection needle insertion hole 18. The bottom of the cartridge case 2 is formed with the above-described opening 11. If the ink bag 3(1), 3(2) contained in the cartridge case 2 becomes empty of ink, the detection projection 9 projects from the opening 11 so that it can be detected when the ink runs out. Three circular holes 19, 20, and 21, are made in the cartridge case front 15. The holes 19, 20, 21, are used for positioning the cartridge 1 when it is placed in a cartridge placement part formed in an ink jet printer, as described later.

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Please replace the paragraph beginning at page 16, line 4, with the following rewritten paragraph:

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B<sup>7</sup> Next, the partition plate 4, which is housed in the cartridge case 2, comprises a rectangular main body portion 61 and a rectangular frame portion 62 rising upward from the four peripheral margins of the main body portion 61. The frame portion 62 is dimensioned for allowing the frame portion 62 to drop through the upper opening 13 and move along the inner surface of the case main body 12 in a slidable state. Upper end face portions 63, at the four corners of the frame portion 62, are at higher positions than other portions of the partition plate. The four corners of the frame portion 62 abut the outer frame end face (partition plate clamp face) 39 of the case lid 14 when the lid is attached to the case main body 12.

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Please replace the paragraph beginning at page 20, line 17, with the following rewritten paragraph:

B<sup>8</sup>  
In this embodiment, the case lid 14 — formed with the ink outlet press part 91 having the circular arc face 95 — presses the ink outlet parts 7 and 7 so that they are stacked up and down on each other against the bottom plate portion of the case main body 12 from the upper side. Therefore, the ink outlet parts 7 and 7 can be reliably fixed to predetermined positions.

Please replace the paragraph beginning at page 20, line 24, with the following rewritten paragraph:

B<sup>9</sup>  
For example, red ink may be stored in the ink bag 3(1) and black ink may be stored in the ink bag 3(2). To use the ink cartridge of this embodiment with an ink jet recorder, as described later, usually black ink is used for printing and the portion to be highlighted is printed in red ink, whereby it is made possible to print in a lively style. For example, when the balance becomes minus, the bankbook is printed in red ink, whereby the bankbook owner can be warned of the balance due.

Please replace the paragraph beginning at page 23, line 15, with the following rewritten paragraph:

B<sup>10</sup>  
The case main body 112 includes a rectangular bottom plate portion 122, a front wall portion 123, two side-wall portions 124 and 125, and a rear wall portion 126. The wall portions are formed as side plate portions rising upward from four peripheral margins of the bottom plate portion 122. Further, the case main body 112 has an opening 113 on its top.

Please replace the paragraph beginning at page 24, line 18, with the following rewritten paragraph:

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B<sup>11</sup>  
Each of the partition plates 104(1) and 104(2) housed in the case main body 112 comprises the above-mentioned bottom plate portion 161 and a rectangular frame portion 162 rising upward from the four peripheral margins of the bottom plate portion 161. The frame portion 162 is dimensioned to allow the frame portion 162 to drop through the opening 113 of the case main body 112 and along the inner surface thereof in a slidable state. Upper end face portions 163, at the four corners of the frame portion 162, are at higher positions than are other portions of the frame portion. Also, the end face portions 163 abut the outer frame end face (partition plate clamp face) 139 of the case lid 114 when it is attached to the case main body 112.

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Please replace the paragraph beginning at page 29, line 9, with the following rewritten paragraph:

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B<sup>12</sup>  
FIG. 12 is a schematic representation to describe an ink end detection mechanism contained in the ink jet printer 200 of this embodiment. As shown in the figure, an ink end detector 215 is installed in the cartridge placement section 203, and a transfer plate 216 is fixed to the ink end detector 215 with an adhesive, or the like. If the remaining amount of red ink in the ink bag 3(1) is decreased to a predetermined amount, or if the remaining amount of black ink in the ink bag 3(2) is decreased to a predetermined amount, the detection projection 9(1) formed on the detection plate 8(1) or the detection projection 9(2) formed on the detection plate 8(2) presses the transfer plate 216 thereby

B<sup>12</sup> cont. turning on the ink end detector 215. The transfer plate 216 is a thin plate having rigidity; here, an acrylic plate 1 mm thick is used. The ink end detector 215 is a switch of the mechanical contact type.

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Please replace the paragraph beginning at page 31, line 10, with the following rewritten paragraph:

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B<sup>13</sup> In the controller, numeral 229 denotes measuring means for measuring the amount of ink jetted from the ink jet head 209, and the amount of ink consumed as waste ink, based on a command from print operation control means 224. The amount of ink jetted from the ink jet head 209 is calculated from the number of times each nozzle has been driven by the head drive means 225, for example. The amount of ink consumed as waste ink is calculated from the number of times the waste ink pump 214 has been driven, for example.

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Please replace the paragraph beginning at page 33, line 7, with the following rewritten paragraph:

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B<sup>14</sup> With an ink jet printer wherein one ink bag is housed in an ink cartridge and one ink cartridge is placed for each ink, the volume of a cartridge placement section of the ink jet printer grows. And when ink is used up, it is necessary to replace the ink cartridge for each ink so that the operator of the ink jet printer is inconvenienced. Further, the operator of the ink jet printer needs to have an ink cartridge on hand for each type of ink used.

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Please replace the paragraph beginning at page 37, line 14, with the following rewritten paragraph:

B<sup>15</sup>  
Referring to the figures, an ink cartridge 400 includes a first ink cartridge 500 and a second ink cartridge 600. The ink cartridge 500 is shaped like a flat rectangular parallelepiped in which a first ink bag 401(1) and a waste-ink absorption material 402 are housed. Similarly, the second ink cartridge 600 is shaped like a flat rectangular parallelepiped in which a second ink bag 401(2) is housed. The first and second ink cartridges detachably are joined in a state in which they are overlaid on each other.

Please replace the paragraph beginning at page 50, line 17, with the following rewritten paragraph:

B<sup>16</sup>  
Also in this embodiment, the two guide shafts 718 and 719 horizontally project into the cartridge placement section 703. Further, the guide shaft insertion holes 611 and 612, into which the guide shafts 718 and 719 can be inserted, are made only in the front end face of the second ink cartridge 600. Therefore, if the ink cartridge 400 is placed in the cartridge placement section 703 in an opposite direction left to right, the tip of the guide shaft 718, 719 abuts the front end face or the rear end face of the ink cartridge 400. Thus, the ink cartridge 400 is prevented from being placed in the cartridge placement section 703 in an erroneous position.

Please replace the paragraph beginning at page 51, line 7, with the following rewritten paragraph:

B<sup>17</sup>  
The waste ink collection channel prevents the detrimental effect of leaking out waste ink to the outside. Of course, if two cartridge presence/absence sensors for